



Trauma Service Area Assessment

April 23, 2015

Rick Scott
Governor

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Surgeon General and Secretary of Health

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Data Sources

The hospital discharge dataset is collected by the Agency for Health Care Administration (AHCA). It is a comprehensive set of all hospitalizations in the state. Records used for this report are for 2013.

The Florida Emergency Medical Services Tracking and Reporting System (EMSTARS) collects incident-level information on millions of EMS incidents every year, for benchmarking and quality improvement initiatives. EMSTARS currently contains over 12 million records. The EMSTARS data used for this report is for 2011-2013.

The Florida Trauma Registry collects patient-level data from the state's verified and provisional trauma centers, as authorized by section 395.404(1), Florida Statutes. Verified and provisional trauma centers must maintain a comprehensive database of those injured patients treated within the hospital. The records used for this report are for 2013.

The data regarding severely injured patients was derived from the AHCA hospital discharge database for 2013.

US Census Data was used to determine TSA Demographics. Population is based on 2013 estimates.

Glossary of Terms

- 1) **Acute Care Hospital** – An acute care hospital is defined by the Agency for Health Care Administration's hospital and bed capacity definitions, as a facility providing short-term medical treatment a patient having an acute illness or recovering from surgery or childbirth. For the purposes of this report, verified trauma centers are distinct from acute care hospitals.
- 2) **Annual % of Patients Discharged from Acute Care Hospitals** – The total number of severely injured patients discharged (living or deceased) from acute care hospitals (excluding trauma centers) divided by total number of severely injured patients of that TSA.
- 3) **Annual Trauma Patient Volume** – Trauma patient volume is derived from the state trauma registry for records submitted by provisional and verified trauma centers for 2013. No inclusion criteria were applied to the self-reported volumes.
- 4) **City/County Governments** -- County government is defined as the Board of County Commission for each county. Cities were determined from the data available on the Florida Department of State's City County Listing as of April 16, 2015 (<http://dos.myflorida.com/library-archives/research/florida-information/government/local-resources/citycounty-list/#dcity>). Any place not identified as a city was excluded.

- 5) **Community Support** – per Florida Rule 64J-2.010(3)(a, b), letters of support to the Department of Health for an additional trauma center from the city and county commissions located within a TSA. Community Support is expressed as the number of letters received and the percentage of all city and county governments within that TSA that expressed support.
- 6) **EMS Ground Vehicle to 100 Square Miles Ratio** – The total number of permitted ground vehicles, regardless of transport or non-transport status, to 100 square miles. $(\text{Total number EMS ground Vehicles} / \text{Total Land Area}) * 100$
- 7) **EMS Ground Vehicle to Population Ratio** – The total number of permitted ground vehicles, regardless of transport or non-transport status, to a population of 10,000 residents. $(\text{Total number EMS Ground Vehicles} / \text{Population}) * 10,000$
- 8) **ICISS:** International Classification Injury Severity Score. ICISS is derived using ICD-9 diagnosis codes, probability of survival, and age; from the Agency for Health Care Administration's inpatient database.
- 9) **Median Transport Time** – The median EMS transport time is derived from the Emergency Medical Services Tracking and Reporting System (EMSTARS). All patients transported to a verified trauma center are included regardless of illness or injury. EMS transport time is the difference between the time the EMS unit arrived at the hospital and the time the unit left the scene. Transport time includes all EMSTARS records submitted from 2011 to 2013 with a Type of Service Requested equal to 911-scene or intercept. Records that had a median transport time of greater than 2 hours were excluded.
- 10) **Permitted EMS Ground Vehicles** – A vehicle that is permitted by the department to perform Basic Life Support or Advanced Life Support and transport patients to a receiving facility. The total number of permitted EMS ground vehicles per TSA is derived from a static look from the Licensing and Enforcement Information Database System (LEIDS) database and does not differentiate between active and inactive vehicles. EMS ground vehicles represented in this assessment may service multiple TSAs.
- 11) **Severely Injured Patient** – A patient with injuries as defined in the National Trauma Data Standard Patient Inclusion criteria with an ICISS score of $< .85$, excluding a length of stay of less than 24 hours or isolated hip fractures.
- 12) **Severely Injured Patients Discharged from Acute Care Hospitals** – The number of severely injured patients that were discharged (living or deceased) from an acute care hospital (excluding trauma centers) as reflected by the AHCA database of 2013.

- 13) **Statutory Trauma Center Patient Volume** – Defined by section 395.402(1), Florida Statutes; “Level I and Level II trauma centers shall each be capable of annually treating a minimum of 1,000 and 500 patients, respectively, with an injury severity score (ISS) of 9 or greater. Level II trauma centers in counties with a population of more than 500,000 shall have the capacity to care for 1,000 patients per year.” Florida counties with a population of more than 500,000 as of April 1, 2015, are Brevard, Broward, Duval, Hillsborough, Lee, Orange, Miami-Dade, Palm Beach, Pinellas, Polk and Volusia.
- 14) **Rotor Wing Aircraft** – Rotor Wing Aircraft includes all rotary winged aircraft permitted by the department. The total number of aircraft per TSA is derived from the Licensure Enforcement and Information Database System (LEIDS) Aircraft such as jets or airplanes are considered fixed wing aircraft and are not included in this measure. This is a static look at the LEIDS database for a specific time period and does not differentiate between active and inactive aircraft. Aircraft represented in this assessment may service multiple TSAs.
- 15) **Trauma Centers** – This report reflects trauma centers with verified or provisional status as of April 1, 2015.

Review of the Assignment of the 67 Counties to Trauma Service Areas

Since 1990, Florida's sixty-seven counties have been assigned to nineteen trauma service areas (TSAs) pursuant to section 395.402, Florida Statutes. As required by legislative amendments to the trauma statutes in 2004, the assignment of counties to TSAs is to be reviewed annually. The first such review occurred on February 1, 2005, when the Department released *A Comprehensive Assessment of the Florida Trauma System* which was conducted by the University of South Florida. The 2005 assessment considered transforming Florida's TSAs so that the boundaries of the TSAs would be identical to the boundaries of the Regional Domestic Security Task Forces (RDSTFs), thus realigning counties and reducing the number of TSAs to seven. While the assessment determined it may be possible to transform the TSAs into areas that coincide with the RDSTFs, it noted that regional trauma agencies would need to be developed in each of the larger geographical areas in order to make the transformation feasible.

As part of this Assessment, the Department again evaluated the possibility of altering the current county assignments to establish TSAs that are identical to the RDSTFs. At this time, Florida has just one regional trauma agency and three local trauma agencies. None of the regional or local trauma agencies have boundaries that are identical to the RDSTFs. Neither the one regional trauma system plan in existence nor the state trauma system plan recommend realignment of counties into the RDSTFs for allocation purposes. While the RDSTFs present opportunities for planning and performance improvement, the RDSTFs are too large a geographic area to ensure the even distribution of trauma centers throughout Florida. Without the existence of regional trauma agencies in each of the trauma regions, the allocation of trauma centers throughout the state should continue to be guided by the more geographically compact TSAs.

Also as part of this Assessment, the Department evaluated the current county assignments to TSAs. The existing TSAs have been used to guide trauma center development in Florida since 1990 and are familiar to all stakeholders of the trauma system. On review, the Department has determined that none of the current county assignments require realignment at this time. The most appropriate alignment of counties is described in section 395.402(4)(a), Florida Statutes.

Trauma Center Funding

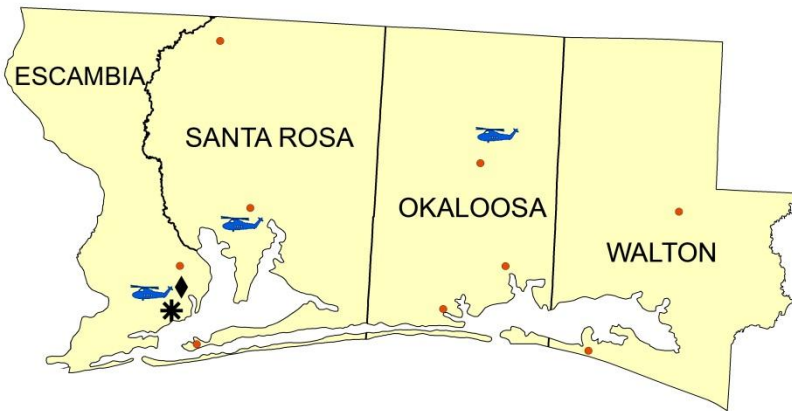
The Florida Legislature provides funding for existing trauma centers through portions of the revenue from red light camera fines and other traffic-related fines. The funding provided to existing trauma centers has increased significantly in past years as a result of the installation of red light cameras throughout Florida.

Funds distributed to trauma centers in calendar year 2012 represented the highest level to date at \$12,683,771.76. However in 2013, red light camera funding began decreasing due to a reduction in funds generated. Between fiscal years 2012-2013 and 2013-2014, this reduction represented about \$1.4 million, or 12%.

The current funding methodology is prescribed by section 395.4036, Florida Statutes, and uses trauma patient volumes to disburse funds.

Trauma Service Areas

Trauma Service Area 1



Type



Level I



Level II



Level II and Pediatric



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

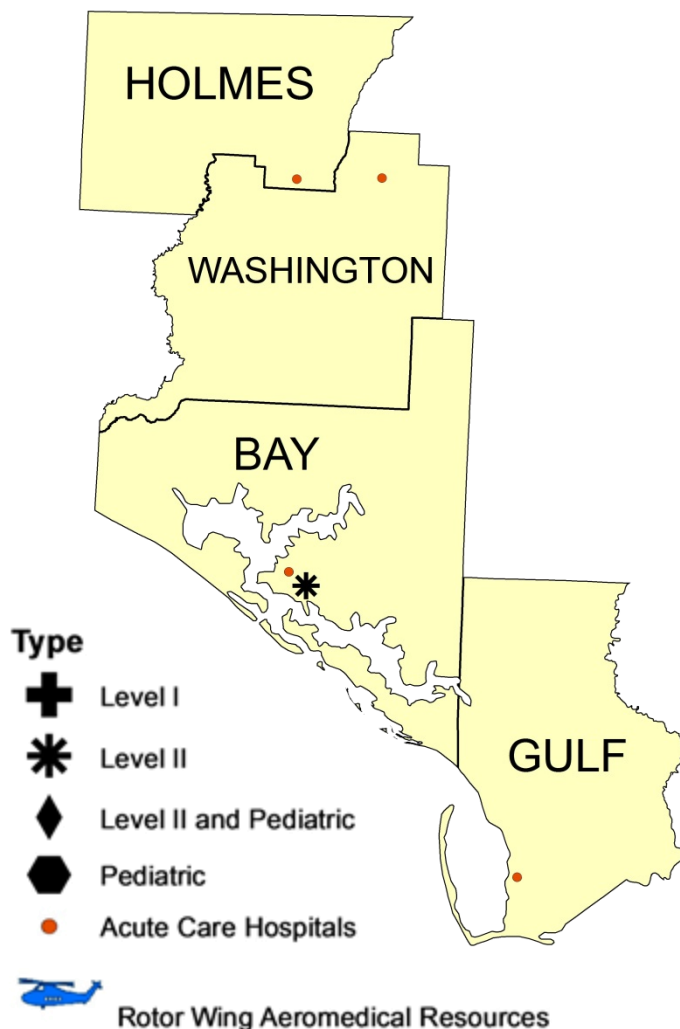
# Rotor Wing Aircraft	3
# Permitted EMS Ground Vehicles	91
EMS Ground Vehicle to Population Ratio	1.26:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	2.50:100
Median Transport Time	00:14:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	2
# Pediatric Trauma Centers	0
# Acute Care Hospitals	9
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	2,241
# Severely Injured Patients	407
Annual # of Severely Injured Patients Discharged from Acute Care Hospitals	86
Annual % of Severely Injured Patients Discharged from Acute Care Hospitals	21.13%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	720,531
Population Density persons/sq. mile	198.22
10 Year Population Growth Rate	9.5%
Median Age	38.2
% Persons 65 & Over	15.2%
% Persons Under 18	21.7%
Total Land Area	3,635 sq miles
City/County Govts	16



TSA Trauma System Information

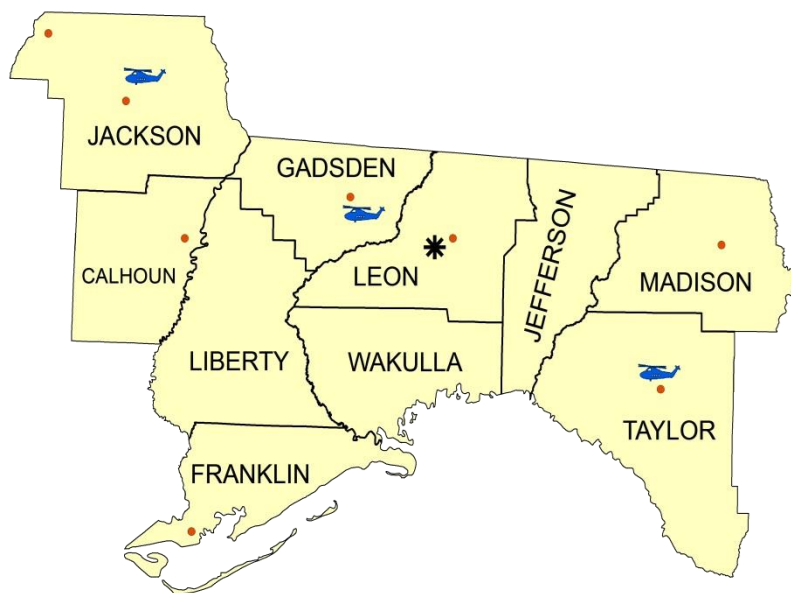
# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	0
# Acute Care Hospitals	4
Statutory Patient Volume	500
Annual Trauma Patient Volume Reported by Trauma Centers	790
# Severely Injured Patients	133
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	21
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	15.79%
Community Support Letters Received	0 (0%)

TSA Emergency Medical Services

# Rotor Wing Aircraft	0
# Permitted EMS Transport Vehicles	43
EMS Ground Vehicle to Population Ratio	1.83:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	1.80:100
Median Transport Time	00:40:00 hh:mm:ss

TSA Demographics

Population	235,157
Population Density persons/sq. mile	98.64
10 Year Population Growth Rate	11.9%
Median Age	41.6
% Persons 65 & Over	16.3%
% Persons Under 18	20.9%
Total Land Area	2,384 sq miles
City/County Govts	16



Type



Level I



Level II



Level II and Pediatric



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

# Rotor Wing Aircraft	3
# Permitted EMS Transport Vehicles	90
EMS Ground Vehicle to Population Ratio	1.81:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	1.29:100
Median Transport Time	00:16:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	0
# Acute Care Hospitals	8
Statutory Patient Volume	500
Annual Trauma Patient Volume Reported by Trauma Centers	1,134
# Severely Injured Patients	244
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	26
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	10.66%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	498,391
Population Density persons/sq. mile	71.38
10 Year Population Growth Rate	11.4%
Median Age	40.9
% Persons 65 & Over	13.2%
% Persons Under 18	19.6%
Total Land Area	6,982 sq miles
City/County Govts	28



Type



Level I



Level II



Level II and Pediatric



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

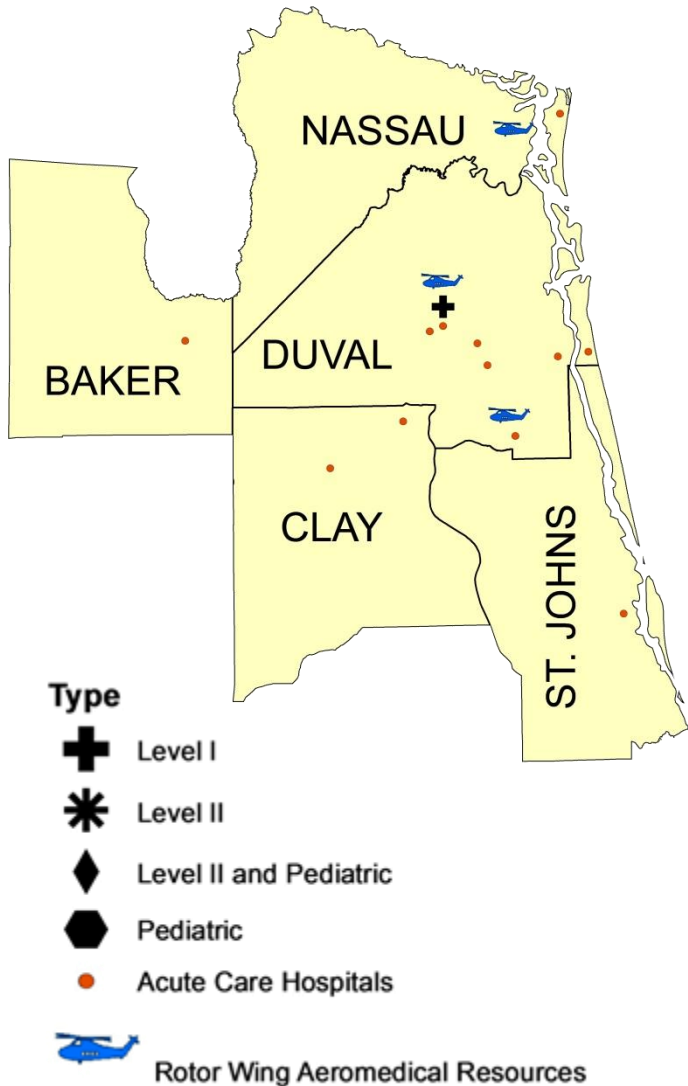
# of Rotor Wing Aircraft	6
# of Permitted EMS Transport Vehicles	83
EMS Ground Vehicle to Population Ratio	1.44:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	1.21:100
Median Transport Time	00:37:13 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	1
# Verified Level II Trauma Centers	0
# Pediatric Trauma Centers	0
# Acute Care Hospitals	9
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	2,524
# Severely Injured Patients	466
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	67
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	14.38%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	575,088
Population Density persons/sq. mile	83.87
10 Year Population Growth Rate	10.5%
Median Age	40.8
% Persons 65 & Over	15.7%
% Persons Under 18	19.6%
Total Land Area	6,856 sq miles
City/County Govts	32



TSA Trauma System Information

# Verified Level I Trauma Centers	1
# Verified Level II Trauma Centers	0
# Pediatric Trauma Centers	0
# Acute Care Hospitals	12
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	2,506
# Severely Injured Patients	811
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	304
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	37.48%
Community Support Letters Received	5 (33%)

TSA Demographics

Population	1,394,624
Population Density persons/sq. mile	435.68
10 Year Population Growth Rate	16.7%
Median Age	39.0
% Persons 65 & Over	13.7%
% Persons Under 18	23.0%
Total Land Area	3,201 sq miles
City/County Govts	15

TSA Emergency Medical Services

# Rotor Wing Aircraft	3
# Permitted EMS Transport Vehicles	229
EMS Ground Vehicle to Population Ratio	1.64:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	7.15:100
Median Transport Time	00:09:00 hh:mm:ss



Type



Level I



Level II



Level II and Pediatric



Provisional Level II



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

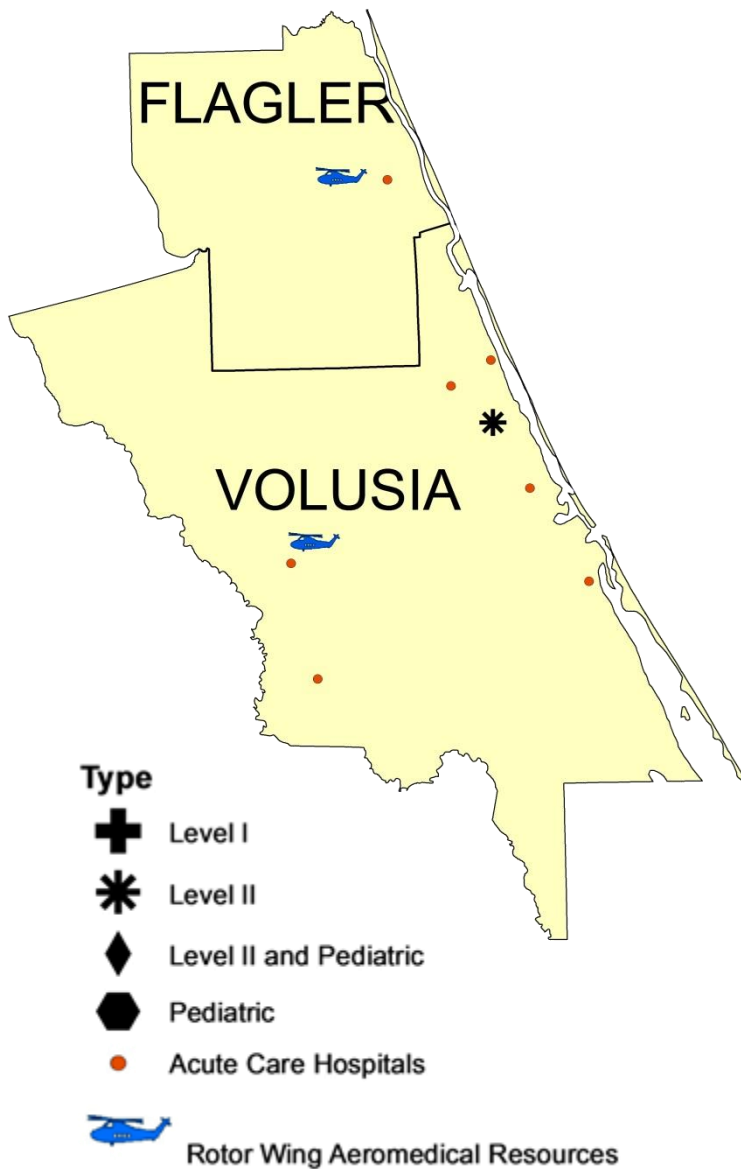
# Rotor Wing Aircraft	3
# Permitted EMS Transport Vehicles	94
EMS Ground Vehicle to Population Ratio	1.44:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	3.56:100
Median Transport Time	00:24:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	0
# Acute Care Hospitals	7
Statutory Patient Volume	500
Annual Trauma Patient Volume Reported by Trauma Centers	1,821
# Severely Injured Patients	420
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	136
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	32.38%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	651,074
Population Density persons/sq. mile	246.71
10 Year Population Growth Rate	19.0%
Median Age	48.8
% Persons 65 & Over	28.9%
% Persons Under 18	18.1%
Total Land Area	2,639 sq miles
City/County Govts	10



TSA Emergency Medical Services

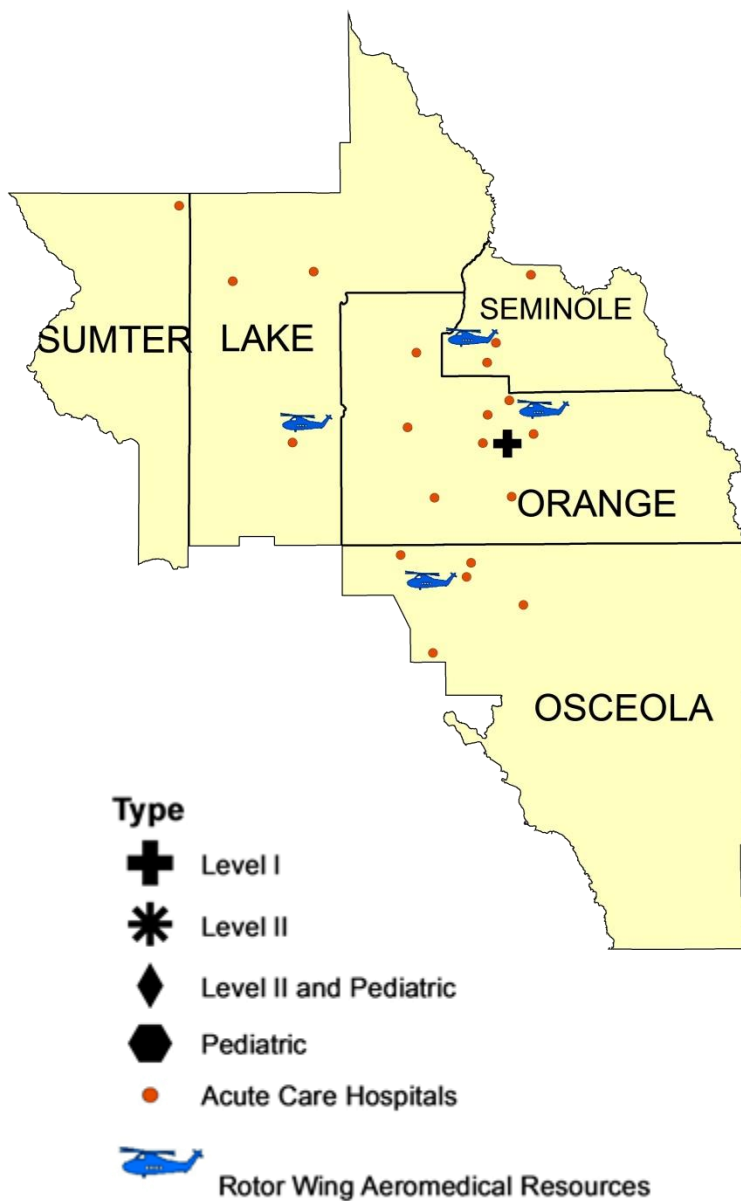
# Rotor Wing Aircraft	4
# Permitted EMS Transport Vehicles	64
EMS Ground Vehicle to Population Ratio	1.07:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	4.04:100
Median Transport Time	00:12:16 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	0
# Acute Care Hospitals	7
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	1,968
# Severely Injured Patients	376
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	109
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	28.99%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	600,756
Population Density persons/sq. mile	378.79
10 Year Population Growth Rate	13.7%
Median Age	47.95
% Persons 65 & Over	23.6%
% Persons Under 18	18.3%
Total Land Area	1,586 sq miles
City/County Govts	16



TSA Emergency Medical Services

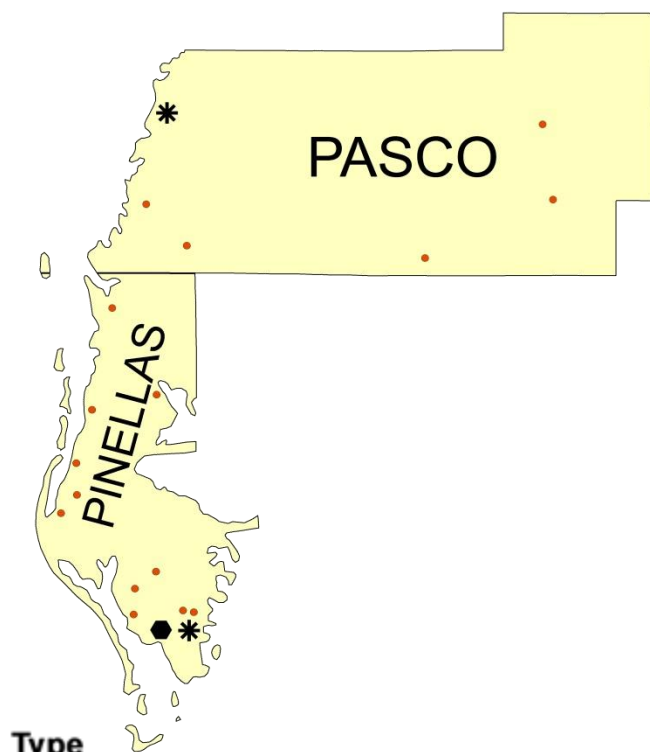
# Rotor Wing Aircraft	4
# Permitted EMS Transport Vehicles	332
EMS Ground Vehicle to Population Ratio	1.40:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	8.25:100
Median Transport Time	00:14:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	1
# Verified Level II Trauma Centers	0
# Pediatric Trauma Centers	0
# Acute Care Hospitals	20
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	4,422
# Severely Injured Patients	1,088
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	437
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	40.17%
Community Support Letters Received	5 (13%)

TSA Demographics

Population	2,374,902
Population Density persons/sq. mile	590.04
10 Year Population Growth Rate	27.5%
Median Age	39.0
% Persons 65 & Over	15.2%
% Persons Under 18	22.0%
Total Land Area	4,025 sq miles
City/County Govts	40



Type



Level I



Level II



Level II and Pediatric



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

# Rotor Wing Aircraft	0
# Permitted EMS Transport Vehicles	129
EMS Ground Vehicle to Population Ratio	0.92:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	12.63:100
Median Transport Time	00:12:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	2
# Pediatric Trauma Centers	1
# Acute Care Hospitals	16
Statutory Patient Volume	1,500
Annual Trauma Patient Volume Reported by Trauma Centers	4,004
# Severely Injured Patients	996
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	362
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	36.35%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	1,404,550
Population Density persons/sq. mile	1,375.66
10 Year Population Growth Rate	7.3%
Median Age	45.8
% Persons 65 & Over	22.4%
% Persons Under 18	18.4%
Total Land Area	1,021 sq miles
City/County Govts	23



Type



Level I



Level II



Level II and Pediatric



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

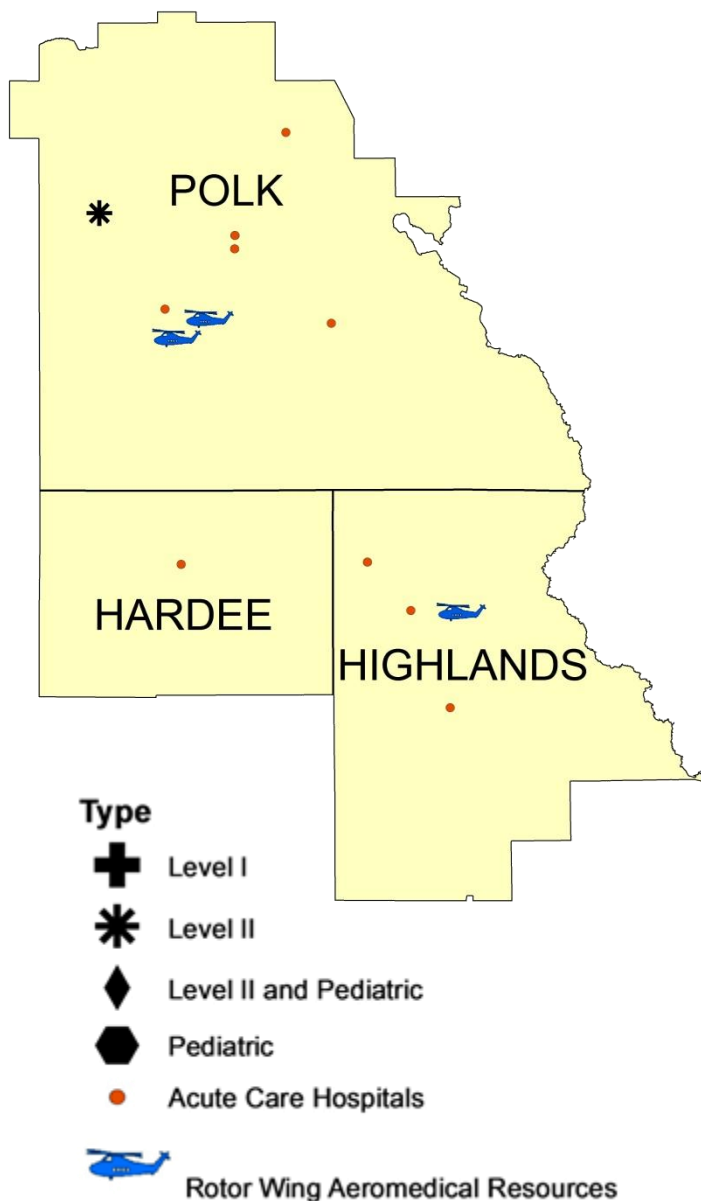
# Rotor Wing Aircraft	2
# Permitted EMS Transport Vehicles	202
EMS Ground Vehicle to Population Ratio	1.56:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	19.80:100
Median Transport Time	00:14:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	1
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	0
# Acute Care Hospitals	10
Statutory Patient Volume	2,000
Annual Trauma Patient Volume Reported by Trauma Centers	4,477
# Severely Injured Patients	943
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	162
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	17.18%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	1,291,578
Population Density persons/sq. mile	1,266.25
10 Year Population Growth Rate	20.5%
Median Age	36.6
% Persons 65 & Over	12.8%
% Persons Under 18	23.4%
Total Land Area	1,020 sq miles
City/County Govts	4



TSA Emergency Medical Services

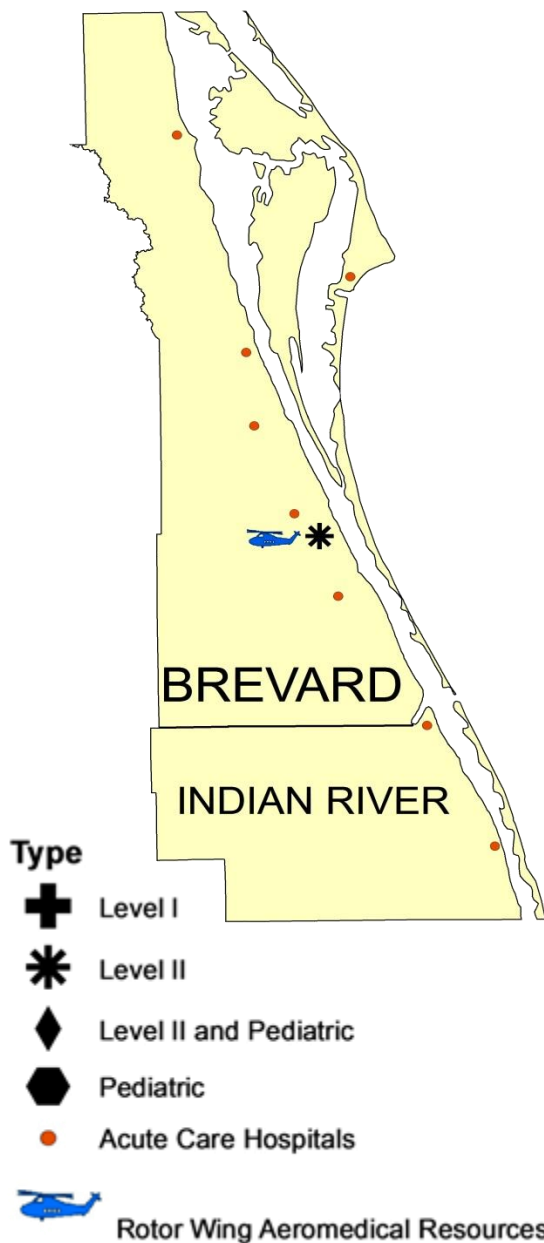
# Rotor Wing Aircraft	4
# Permitted EMS Transport Vehicles	84
EMS Ground Vehicle to Population Ratio	1.12:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	2.43:100
Median Transport Time	00:19:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	0
# Acute Care Hospitals	9
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	1,507
# Severely Injured Patients	415
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	78
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	18.80%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	748,144
Population Density persons/sq. mile	216.73
10 Year Population Growth Rate	19.5%
Median Age	40.4
% Persons 65 & Over	20.9%
% Persons Under 18	22.5%
Total Land Area	3,452 sq miles
City/County Govts	19



TSA Emergency Medical Services

# Rotor Wing Aircraft	1
# Permitted EMS Transport Vehicles	72
EMS Ground Vehicle to Population Ratio	1.04:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	4.74:100
Median Transport Time	00:11:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	0
# Acute Care Hospitals	8
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	1,823
# Severely Injured Patients	388
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	150
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	38.66%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	692,817
Population Density persons/sq. mile	456.10
10 Year Population Growth Rate	11.2%
Median Age	48.7
% Persons 65 & Over	23.6%
% Persons Under 18	18.7%
Total Land Area	1,519 sq miles
City/County Govts	15



Type



Level I



Level II



Level II and Pediatric



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

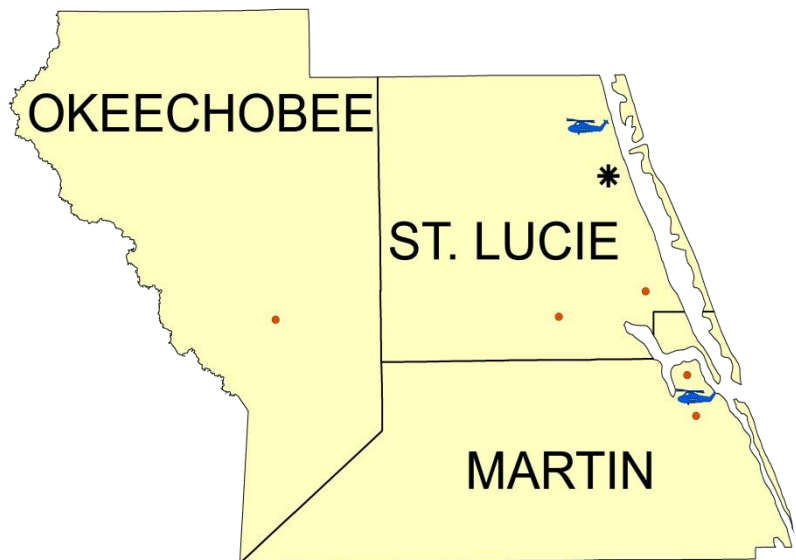
# Rotor Wing Aircraft	1
# Permitted EMS Transport Vehicles	92
EMS Ground Vehicle to Population Ratio	1.20:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	4.75:100
Median Transport Time	00:10:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	0
# Acute Care Hospitals	7
Statutory Patient Volume	500
Annual Trauma Patient Volume Reported by Trauma Centers	1,097
# Severely Injured Patients	503
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	284
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	56.46%
Community Support Letters Received	2 (17%)

TSA Demographics

Population	767,052
Population Density persons/sq. mile	396.20
10 Year Population Growth Rate	15.4%
Median Age	46.8
% Persons 65 & Over	29.0%
% Persons Under 18	17.6%
Total Land Area	1,936 sq miles
City/County Govts	12



Type



Level I



Level II



Level II and Pediatric



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

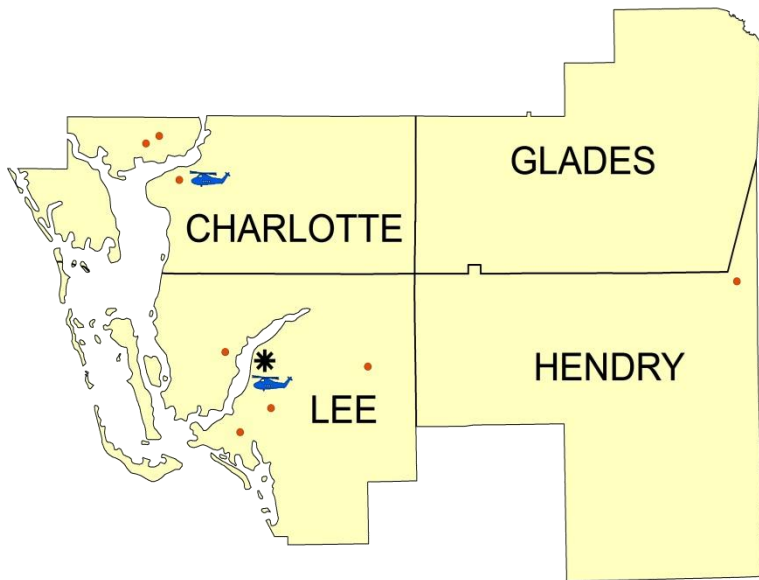
# Rotor Wing Aircraft	2
# Permitted EMS Transport Vehicles	74
EMS Ground Vehicle to Population Ratio	1.55:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	3.93:100
Median Transport Time	00:09:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	0
# Acute Care Hospitals	5
Statutory Patient Volume	500
Annual Trauma Patient Volume Reported by Trauma Centers	1,404
# Severely Injured Patients	298
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	88
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	29.53%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	477,425
Population Density persons/sq. mile	253.41
10 Year Population Growth Rate	24.2%
Median Age	43.9
% Persons 65 & Over	23.8%
% Persons Under 18	20.1%
Total Land Area	1,884 sq miles
City/County Govts	7



Type



Level I



Level II



Level II and Pediatric



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

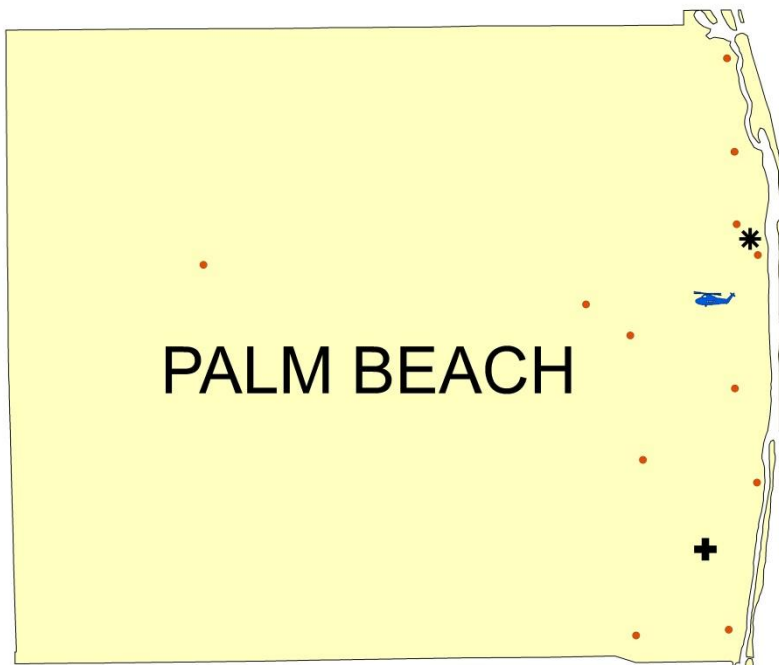
# Rotor Wing Aircraft	2
# Permitted EMS Transport Vehicles	125
EMS Ground Vehicle to Population Ratio	1.43:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	3.65:100
Median Transport Time	00:27:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	0
# Acute Care Hospitals	8
Statutory Patient Volume	1,000
Annual Trauma Patient Volume Reported by Trauma Centers	1,867
# Severely Injured Patients	585
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	198
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	33.85%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	876,667
Population Density persons/sq. mile	256.0
10 Year Population Growth Rate	27.1%
Median Age	46.2
% Persons 65 & Over	27.2%
% Persons Under 18	18.2%
Total Land Area	3,424 sq miles
City/County Govts	13



Type



Level I



Level II



Level II and Pediatric



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

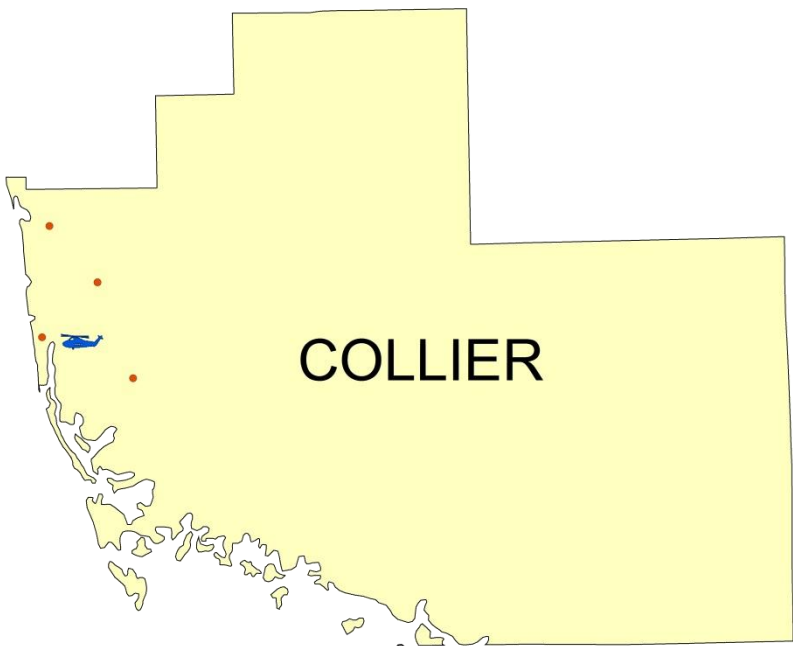
# Rotor Wing Aircraft	2
# Permitted EMS Transport Vehicles	214
EMS Ground Vehicle to Population Ratio	1.56:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	10.86:100
Median Transport Time	00:09:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	2
# Verified Level II Trauma Centers	0
# Pediatric Trauma Centers	0
# Acute Care Hospitals	12
Statutory Patient Volume	2,000
Annual Trauma Patient Volume Reported by Trauma Centers	3,257
# Severely Injured Patients	779
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	225
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	28.88%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	1,372,171
Population Density persons/sq. mile	696.53
10 Year Population Growth Rate	13.5%
Median Age	44.1
% Persons 65 & Over	22.5%
% Persons Under 18	19.7%
Total Land Area	1,970 sq miles
City/County Govts	13



Type



Level I



Level II



Level II and Pediatric



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

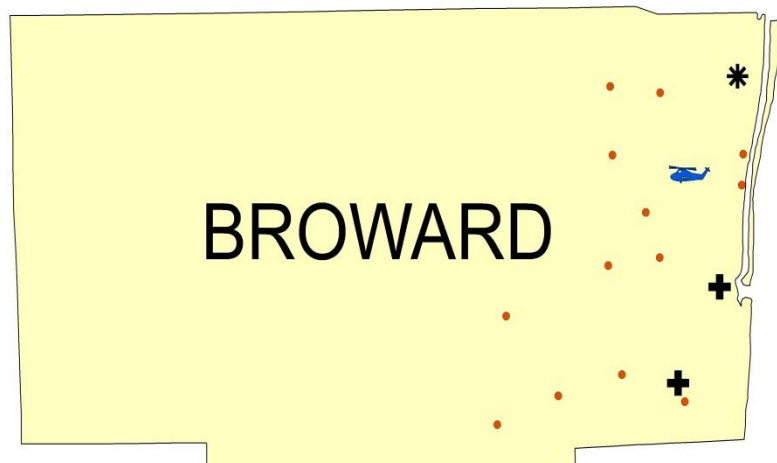
# Rotor Wing Aircraft	1
# Permitted EMS Transport Vehicles	37
EMS Ground Vehicle to Population Ratio	1.09:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	1.85:100
Median Transport Time	00:15:22 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	0
# Verified Level II Trauma Centers	0
# Pediatric Trauma Centers	0
# Acute Care Hospitals	4
Statutory Patient Volume	0
Annual Trauma Patient Volume Reported by Trauma Centers	0
# Severely Injured Patients	150
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	150
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	100%
Community Support Letters Received	0 (0)%

TSA Demographics

Population	339,642
Population Density persons/sq. mile	169.99
10 Year Population Growth Rate	19.2%
Median Age	48.6
% Persons 65 & Over	28.9%
% Persons Under 18	18.5%
Total Land Area	1,998 sq miles
City/County Govts	3



Type



Level I



Level II



Level II and Pediatric



Pediatric



Acute Care Hospitals



Rotor Wing Aeromedical Resources

TSA Emergency Medical Services

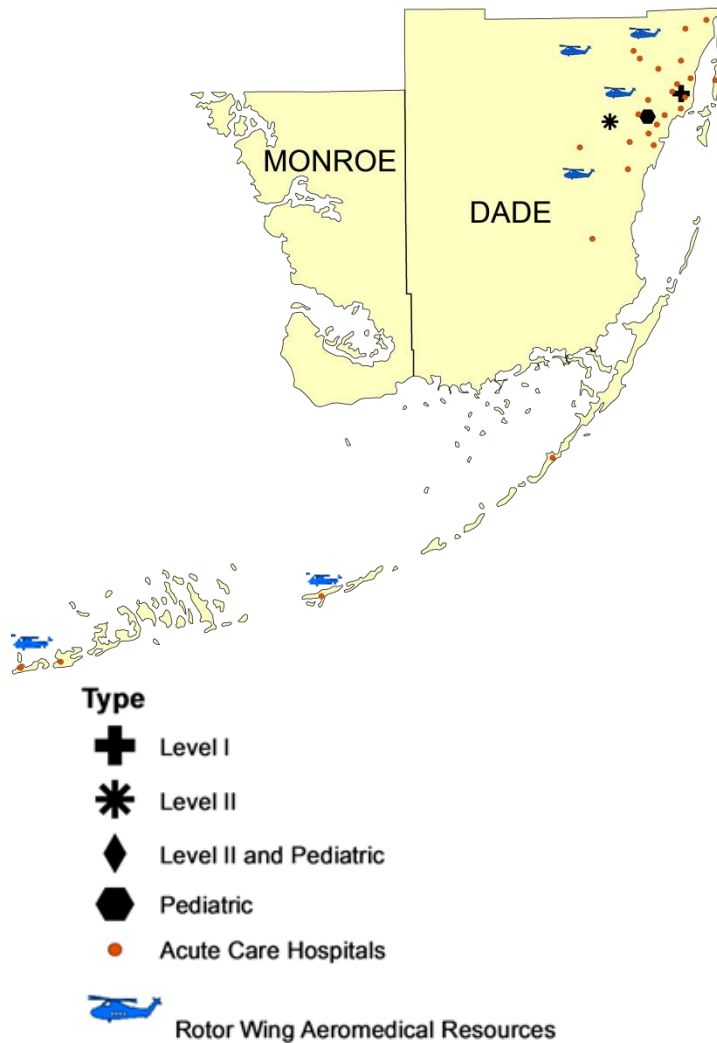
# Rotor Wing Aircraft	4
# Permitted EMS Transport Vehicles	273
EMS Ground Vehicle to Population Ratio	1.48:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	22.56:100
Median Transport Time	00:09:00 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	2
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	0
# Acute Care Hospitals	13
Statutory Patient Volume	3,000
Annual Trauma Patient Volume Reported by Trauma Centers	5,481
# Severely Injured Patients	909
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	219
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	24.09%
Community Support Letters Received	0 (0%)

TSA Demographics

Population	1,838,844
Population Density persons/sq. mile	1519.71
10 Year Population Growth Rate	7.0%
Median Age	39.9
% Persons 65 & Over	15.0%
% Persons Under 18	21.8%
Total Land Area	1,210 sq miles
City/County Govts	25



TSA Emergency Medical Services

# Rotor Wing Aircraft	9
#Permitted EMS Transport Vehicles	483
EMS Ground Vehicle to Population Ratio	1.79:10,000
EMS Ground Vehicle to 100 Square Miles Ratio	16.77:100
Median Transport Time	00:13:56 hh:mm:ss

TSA Trauma System Information

# Verified Level I Trauma Centers	1
# Verified Level II Trauma Centers	1
# Pediatric Trauma Centers	1
# Acute Care Hospitals	26
Statutory Patient Volume	2,000
Annual Trauma Patient Volume Reported by Trauma Centers	6,903
# Severely Injured Patients	1,488
Annual # of Severely Injured Patients Discharged From Acute Care Hospitals	466
Annual % of Severely Injured Patients Discharged From Acute Care Hospitals	32.32%
Community Support Letters Received	3 (13%)

TSA Demographics

Population	2,693,527
Population Density persons/sq. mile	934.93
10 Year Population Growth Rate	10.8%
Median Age	43.15
% Persons 65 & Over	15.1%
% Persons Under 18	20.7%
Total Land Area	2,881 sq miles
City/County Govts	24

Conclusion

Based upon available data and the reliability of the data, the Department has determined that the following criteria should be used to evaluate the number and level of trauma centers needed to serve the population in a defined trauma service area:

1. Population
2. Median Transport Times
3. Community Support
4. Number of Severely Injured Patients Not Treated In Trauma Centers
5. The Existence of a Level I Trauma Center
6. Number of Severely Injured Patients